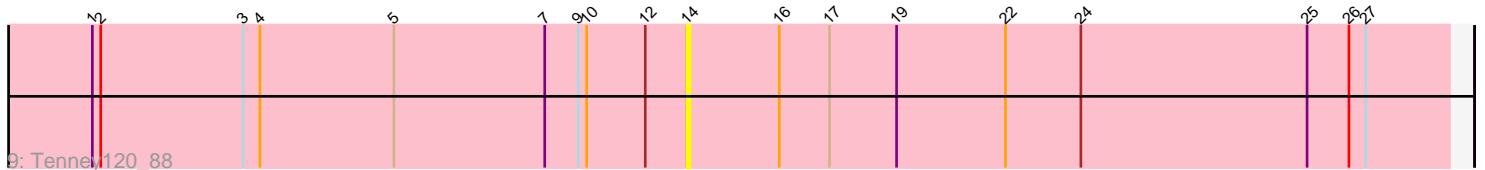
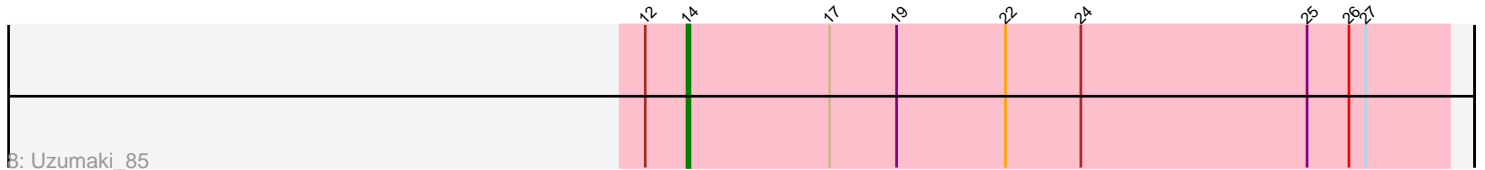
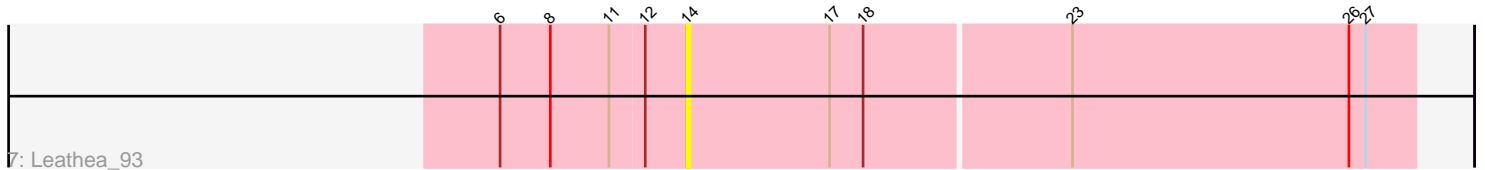
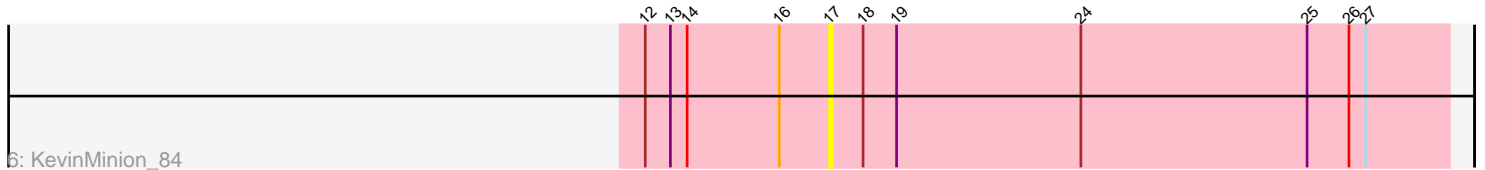
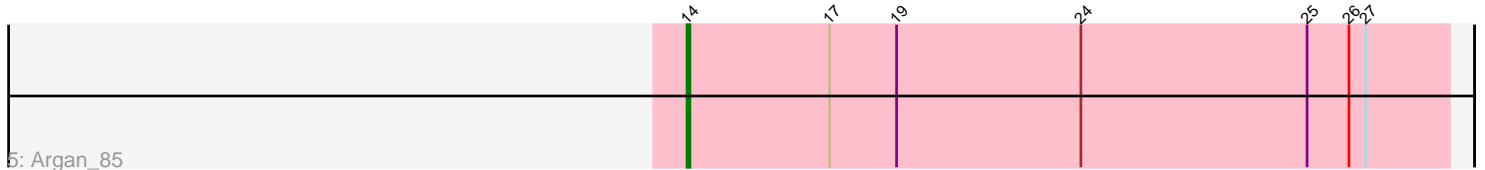
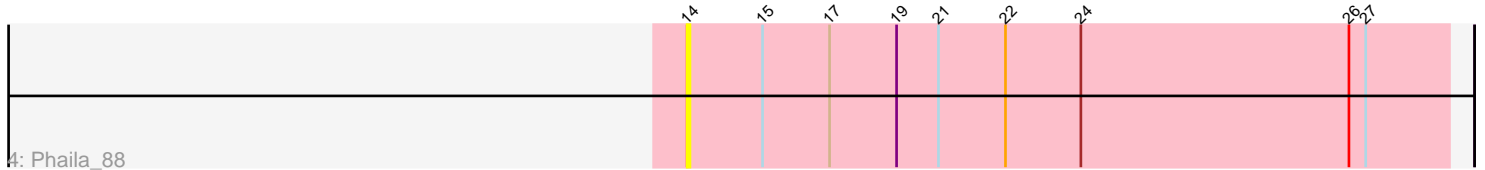
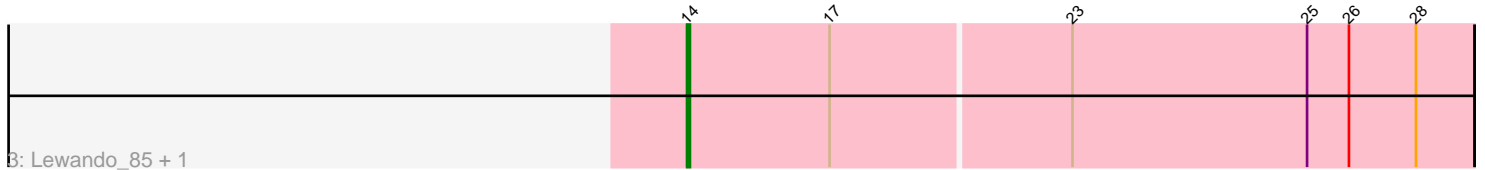
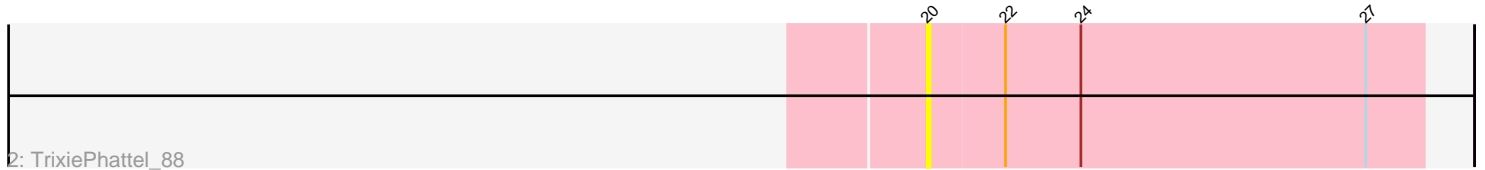
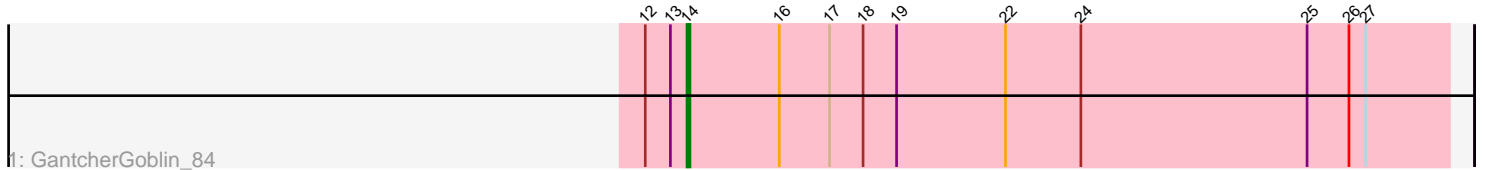


Pham 198601



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 198601 Report

This analysis was run 01/18/25 on database version 583.

Pham number 198601 has 10 members, 6 are drafts.

Phages represented in each track:

- Track 1 : GantcherGoblin_84
- Track 2 : TrixiePhattel_88
- Track 3 : Lewando_85, BarbieDoll_88
- Track 4 : Phaila_88
- Track 5 : Argan_85
- Track 6 : KevinMinion_84
- Track 7 : Leathea_93
- Track 8 : Uzumaki_85
- Track 9 : Tenney120_88

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 14, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan_85, BarbieDoll_88, GantcherGoblin_84, Leathea_93, Lewando_85, Phaila_88, Tenney120_88, Uzumaki_85,

Genes that have the "Most Annotated" start but do not call it:

- KevinMinion_84,

Genes that do not have the "Most Annotated" start:

- TrixiePhattel_88,

Summary by start number:

Start 14:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 4 of 4
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Argan_85 (AU6), BarbieDoll_88 (AU6), GantcherGoblin_84 (AU6), Leathea_93 (AU6), Lewando_85 (AU6), Phaila_88 (AU6), Tenney120_88 (AU6), Uzumaki_85 (AU6),

Start 17:

- Found in 9 of 10 (90.0%) of genes in pham
- No Manual Annotations of this start.
- Called 11.1% of time when present
- Phage (with cluster) where this start called: KevinMinion_84 (AU6),

Start 20:

- Found in 1 of 10 (10.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TrixiePhattel_88 (AU6),

Summary by clusters:

There is one cluster represented in this pham: AU6

Info for manual annotations of cluster AU6:

- Start number 14 was manually annotated 4 times for cluster AU6.

Gene Information:

Gene: Argan_85 Start: 49956, Stop: 50228, Start Num: 14

Candidate Starts for Argan_85:

(Start: 14 @49956 has 4 MA's), (17, 50007), (19, 50031), (24, 50097), (25, 50178), (26, 50193), (27, 50199),

Gene: BarbieDoll_88 Start: 51047, Stop: 51325, Start Num: 14

Candidate Starts for BarbieDoll_88:

(Start: 14 @51047 has 4 MA's), (17, 51098), (23, 51182), (25, 51266), (26, 51281), (28, 51305),

Gene: GantcherGoblin_84 Start: 50131, Stop: 50403, Start Num: 14

Candidate Starts for GantcherGoblin_84:

(12, 50116), (13, 50125), (Start: 14 @50131 has 4 MA's), (16, 50164), (17, 50182), (18, 50194), (19, 50206), (22, 50245), (24, 50272), (25, 50353), (26, 50368), (27, 50374),

Gene: KevinMinion_84 Start: 50999, Stop: 51220, Start Num: 17

Candidate Starts for KevinMinion_84:

(12, 50933), (13, 50942), (Start: 14 @50948 has 4 MA's), (16, 50981), (17, 50999), (18, 51011), (19, 51023), (24, 51089), (25, 51170), (26, 51185), (27, 51191),

Gene: Leathea_93 Start: 50452, Stop: 50709, Start Num: 14

Candidate Starts for Leathea_93:

(6, 50386), (8, 50404), (11, 50425), (12, 50437), (Start: 14 @50452 has 4 MA's), (17, 50503), (18, 50515), (23, 50587), (26, 50686), (27, 50692),

Gene: Lewando_85 Start: 50479, Stop: 50757, Start Num: 14

Candidate Starts for Lewando_85:

(Start: 14 @50479 has 4 MA's), (17, 50530), (23, 50614), (25, 50698), (26, 50713), (28, 50737),

Gene: Phaila_88 Start: 50163, Stop: 50435, Start Num: 14

Candidate Starts for Phaila_88:

(Start: 14 @50163 has 4 MA's), (15, 50190), (17, 50214), (19, 50238), (21, 50253), (22, 50277), (24, 50304), (26, 50400), (27, 50406),

Gene: Tenney120_88 Start: 50682, Stop: 50954, Start Num: 14

Candidate Starts for Tenney120_88:

(1, 50469), (2, 50472), (3, 50523), (4, 50529), (5, 50577), (7, 50631), (9, 50643), (10, 50646), (12, 50667), (Start: 14 @50682 has 4 MA's), (16, 50715), (17, 50733), (19, 50757), (22, 50796), (24, 50823), (25, 50904), (26, 50919), (27, 50925),

Gene: TrixiePhattel_88 Start: 50139, Stop: 50315, Start Num: 20

Candidate Starts for TrixiePhattel_88:

(20, 50139), (22, 50166), (24, 50193), (27, 50295),

Gene: Uzumaki_85 Start: 50090, Stop: 50362, Start Num: 14

Candidate Starts for Uzumaki_85:

(12, 50075), (Start: 14 @50090 has 4 MA's), (17, 50141), (19, 50165), (22, 50204), (24, 50231), (25, 50312), (26, 50327), (27, 50333),